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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/649,878	08/28/2003	Yuan-Ting Wu		7828

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TROXELL LAW OFFICE PLLC
SUITE 1404
5205 LEESBURG PIKE
FALLS CHURCH, VA 22041

EXAMINER

MUHAMMED, ABDUKADER S

ART UNIT	PAPER NUMBER
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2627

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06/12/2007

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/649,878	Applicant(s) WU, YUAN-TING	
	Examiner Abdukader Muhammed	Art Unit 2627	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 26 March 2007.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-20 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Specification

1. In light of the explanation given by the applicant in the amendment filed on 26 March 2007, the objection to the disclosure and the rejection of 35 USC § 112 has been withdrawn. The amendment also overcomes the objections made to the claims.
2. The text of those sections of title 35 U.S. Code not included in this action can be found in the prior office action mailed on 28 December 2006.

Claim Rejections

3. Claims 1-4 and 11-14 are rejected under 35 U.S.C. 102(b) as being anticipated by Ishimura et al. (US 6,424,615 B1).

The rejection is set forth in the previous Office Action.

Applicant's arguments filed on 26 March 2007 have been fully considered but they are not persuasive.

Applicant argues Ishimura et al. do not disclose "first reading TOC (Table of Content) data of said lead-in area in said target session, and then sequentially reading said data tracks in said target session for reading said special track-related information" and "only when finishing reading all of said data tracks in said target session, then moving said pickup head to the next session for continuing on reading special track-related information" (claim 1).

Answer: Ishimura et al. disclose upon on loading of the disk TOC information is read (see figure 8, step S1) from the lead-in area of the first volume (target session) and if it is judged that multiple volumes are present, TOC information of each volume is read sequentially until final volume identification is detected (see column 13, lines 10-20 and figure 9). After reading

the TOC information in the first lead-in area the program area (in the instant application case named as *data track*) is read continuously whether there is an indication of the presence of other volumes and this goes on sequentially until the last session (see column 13, lines 44-55 and figure 10). This shows that the sequence of reading is TOC in lead-in area of the target volume, the program area of the target volume and sequentially reading TOC and program area of the next subsequent volumes.

The applicant also argues that Ishimura et al. differ from claim 1 of the present application in several aspects. First, claim 1 relates to a method of reading "special track-related information" on an optical storage medium, but Ishimura et al. do not disclose or does not even concern this kind of information at all. The special track-related information is illustrated in the present Application, page 1, lines 13-16: The data track contains user information and information of data track relating to Data Mode/Form, Packet Type (including Fixed Type and Variable Type), Packet Size, and Next Writable Address (NWA), known as special track-related information.

Answer: in claim 1 of the instant invention "special track-related information" is not limited to the given definition as shown above (the definition of special track-related information is given in claim 7 and not in claim 1); special track-related information can be, for example, the indication of the presence of the next volume/session.

The applicant also argues that after reading TOC information in a specific volume, Ishimura et al. do not read in that volume for the special track-related information.

Answer: Ishimura et al. shows that after reading TOC information in a specific volume, the program area/the data track is reproduced before going to the next volume (see column 13,

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lines 44-52 and step S26 and S29 of figure 10) and as discussed above the special information could be the presence of the next volume (see the discussion of special track-related information above).

The applicant also argues that Ishimura et al., in contrast, does not read the special track-related information between the readings of the two adjacent TOC information. For example, after reading the TOC information of the first volume, the reproduction position of the optical pickup 42 is made "forwardly" by a time length and the reproduction is resumed only from the start position of the lead-in area of the second volume for the TOC information of the second volume.

Answer: Ishimura et al. shows the reading of the program area/the data track in between the readings of two adjacent TOC informations "reproduction of the program area of the first volume is made continuously after finishing reproduction of the lead-in area of the first volume (S26)" (see column 13, lines 45-48). After reading each TOC the program area is reproduce see for example S26 and S29 of figure 10).

The applicant also argues "It is clear from Ishimura et al. that the reproduction position of its optical pickup 42 is made forwardly by a time length to skip the reading in between until the start position of the lead-in area of the second volume is located. Therefore, Ishimura et al. do not read any special track-related information between the readings of the two adjacent TOC information, which is in direct contradiction with claim 1 of the Application".

Answer: see the above discussion.

The applicant also argues "Ishimura et al. do not read the special track-related information in a prior volume before the optical pickup 42 is moved to the next volume. Claim 1

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of

the Application specifically recites: "only when finishing reading all of said data tracks in said target session, then moving said pickup head to the next session for continuing on reading special track-related information." Ishimura et al., in contrast, complete first the readings of the TOC information in all the volumes in the optical disk 10, and then performs the other reproduction operations."

Answer: as shown clearly in figure 10 the sequence of reading is TOC, program area and then the next volume's TOC and program area and so on (see the sequence of reading in figure 10). As to special related information, see the discussions above.

4. Claims 5, 6, 15 and 16 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ishimura et al. (US 6,424,615 B1) as applied to claim 1 and 11, above, further in view of Okamoto et al. (US 2001/0055246 A1).

The rejection is set forth in the previous Office Action.

5. Claims 7 and 17 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ishimura et al. (US 6,424,615 B1) as applied to claim 1 and 11, above, further in view of Misaizu (US 6,594,214 B1).

The rejection is set forth in the previous Office Action.

6. Claims 8 and 18 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ishimura et al. (US 6,424,615 B1) as applied to claim 1 and 11, above, further in view of Nonaka et al. (US 5,471,441).

The rejection is set forth in the previous Office Action.

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7. Claims 9, 10, 19, and 20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ishimura et al. (US 6,424,615 B1) in view of Nonaka et al. (US 5,471,441) as applied to claims 8 and 18, above, and further in view of Kono (US 5,305,296).

The rejection is set forth in the previous Office Action.

Conclusion

8. The prior art made of record in PTO-892 Form and not relied upon is considered pertinent to applicant's disclosure.

Horie (US 2002/0064111 A1) teaches an optical recording and data recording/reproducing method that initializes disc and reads a lead-in area and decodes special information (see figure 14).

9. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

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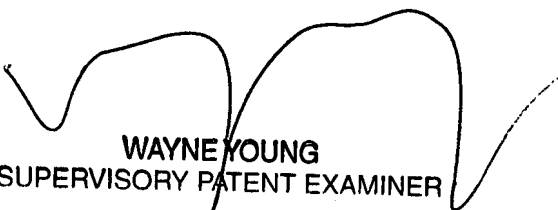
10. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Abdukader Muhammed whose telephone number is (571) 270-1226. The examiner can normally be reached on Monday-Thursday 8:00-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wayne Young can be reached on (571) 272-7582. Customer Service can be reached at (571) 272-2600. The fax number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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08 June 2007


WAYNE YOUNG
SUPERVISORY PATENT EXAMINER